

CLAIMS

What is claimed is:

1. An optical pickup mounted on a pickup base moving relative to an optical recording medium and used to record information on and/or reproduce information from the optical recording medium, the optical pickup comprising:
 - a first optical module;
 - an objective lens to focus a first light beam emitted from the first optical module on the optical recording medium; and
 - a first front photo-detector to monitor power of the first light beam emitted from the first optical module;wherein the first optical module is coupled to the first front photo-detector to be installed on the pickup base.
2. The optical pickup of claim 1, further comprising:
 - a first collimating lens between the first optical module and the objective lens to transform the first light beam into a parallel beam;
 - wherein the first front photo-detector is provided between the first optical module and the first collimating lens.
3. The optical pickup of claim 1, wherein the first optical module comprises:
 - a light source to emit the first light beam; and
 - a main photo-detector to receive the first light beam after being reflected from the optical recording medium to detect an information signal and/or an error signal.
4. The optical pickup of claim 1, further comprising a second optical module to emit a second light beam, wherein the first and second light beams have different wavelengths.
5. The optical pickup of claim 4, wherein one of the first and second light beams has a first wavelength so as to record information on and/or reproduce information from a digital versatile disc, and the other one of the first and second light beams has a second wavelength so as to record information on and/or reproduce information from a compact disc.

6. The optical pickup of claim 5, wherein one of the first and second light beams has a wavelength of approximately 650nm, and the other of the first and second light beams has a wavelength of approximately 780nm.

7. The optical pickup of claim 4, further comprising:
a first collimating lens between the first optical module and the objective lens;
a second front photo-detector to monitor power of the second light beam; and
a second collimating lens between the second optical module and the objective lens;
wherein the first front photo-detector is provided between the first optical module and the first collimating lens, and the second front photo-detector is provided between the second optical module and the second collimating lens.

8. The optical pickup of claim 7, wherein the second optical module is coupled to the second front photo-detector to be installed on the pickup base.

9. An optical pickup used to record information on and/or reproduce information from an optical recording medium, the optical pickup comprising:
an optical module to emit a light beam; and
a front photo-detector to monitor power of the light beam;
wherein the optical module is coupled to the front photo-detector so that a fixed distance is maintained between the optical module and the front photo-detector.

10. An optical pickup used to record information on and/or reproduce information from an optical recording medium, the optical pickup comprising:
an optical module to emit a light beam;
a front photo-detector to monitor power of the light beam; and
a collimating lens to transform the light beam into a parallel beam;
wherein the optical module and the front photo-detector are formed as a single unit, and the single unit is adjusted so that the optical module is focused on the collimating lens.